BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

ME OF WORK : IMPROVEMENTS ROADS AND DRAINS AT ISSRO LAYOUT IN WARD NO.02 OF YELAHANKA -DIVISION

Estimate Cost Rs. 50.00 Lakhs

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
ISSRO LAYOUT	Cum							
for cc drain		1	350.00	1.00	1.00	350.00		
for ssm drain		1	242.00	1.50	1.00	363.00		
						713.00	200.34	**142842.42**
Basic Rate	189.00							
Area Weightage @ 6%	11.34							
Total	200.34							
KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
	Cum							
			Qty Vide Item No.1			**713.00**	100.00	**71300.00**
Average Weight of Earth 1.28 Tonne/Km								
Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
Add loading and unloading Item No 17.1)	68.00							
Total	**100.00**							
ISRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
ISSRO LAYOUT	Cum							
for cc drain		1	350.00	1.00	0.15	52.50		
for ssm drain		1	242.00	1.50	0.15	54.45		
						106.95	5159.02	**551757.19**
Basic Rate	4867.00							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Area Weightage @ 6%	292.02							
Total	**5159.02**							
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200. -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59)								
	Cum							
Bed		1	350.00	1.00	0.15	52.50		
Side wall		2	350.00	0.15	0.60	63.00		
						115.50	11032.48	**1274251.44**
Basic Rate	10408.00							
Area Weightage @ 6%	624.48							
Total	**11032.48**							
SRB 4.9.2. Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **-do- TMT Bars Fe 500** P.17/It.No.4.46.2								
	tonne							
	60% of Qty Vide Item no.4					in Qtl	69.3000	
						in tonne	**6.9300**	74915.50	**519164.42**
Basic Rate	70675.00							
Area Weightage @ 6%	4240.50							
Total	**74915.50**							
SRB 5.2.3 . Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 1.13 (Page No. 23/ Item No. 5.6)								
	Cum							
		2	242.00	0.45	0.80	174.24		
						174.24	4438.22	**773315.45**
Basic Rate	4187.00							
Area Weightage @ 6%	251.22							
Total	**4438.22**							
SRB 15.1.1. Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.112/Item No. 15.1)								
	Sqm							
		2	242.00		0.80	387.20		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
						387.20	102.82	39811.90
Basic Rate	97.00							
Area Weightage @ 6%	5.82							
Total	102.82							

KSRS 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2 (P No. 13 / Item No.4.7)

ADMINISTRATIVELY SANCTIONED FOR Rs
Rupees
as EE ( )
subject to conditions co
memo EE ( ) No
Dt Estimate
No
dated Rs

For Culverts	Cum							
		2	242.00	0.45	0.10	21.78		
		1	242.00	0.60	0.10	14.52		
						36.30	5598.92	203240.80
Basic Rate	5282.00							
Area Weightage @ 6%	316.92							
Total	5598.92							

Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete

Commissioner
Yelahanka Zone)
BBMP, Bengaluru-92

ISSRO LAYOUT	Sqm							
for cc drain		1	350.00	0.90		315.00		
for ssm drain		1	242.00	1.50		363.00		
						678.00	2100.00	1423800.00
Data Rate	2100.00							
Miscellaneous and unforeseen charges								516.00
						Grand Total Amount		5000000.00

(Rupees Fifty Lakhs Only)

CERTIFICATE

- The site has been inspected and the work is found to be necessary.
- The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle
- The provisions were made in this estimate are necessary and adequate.
- The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

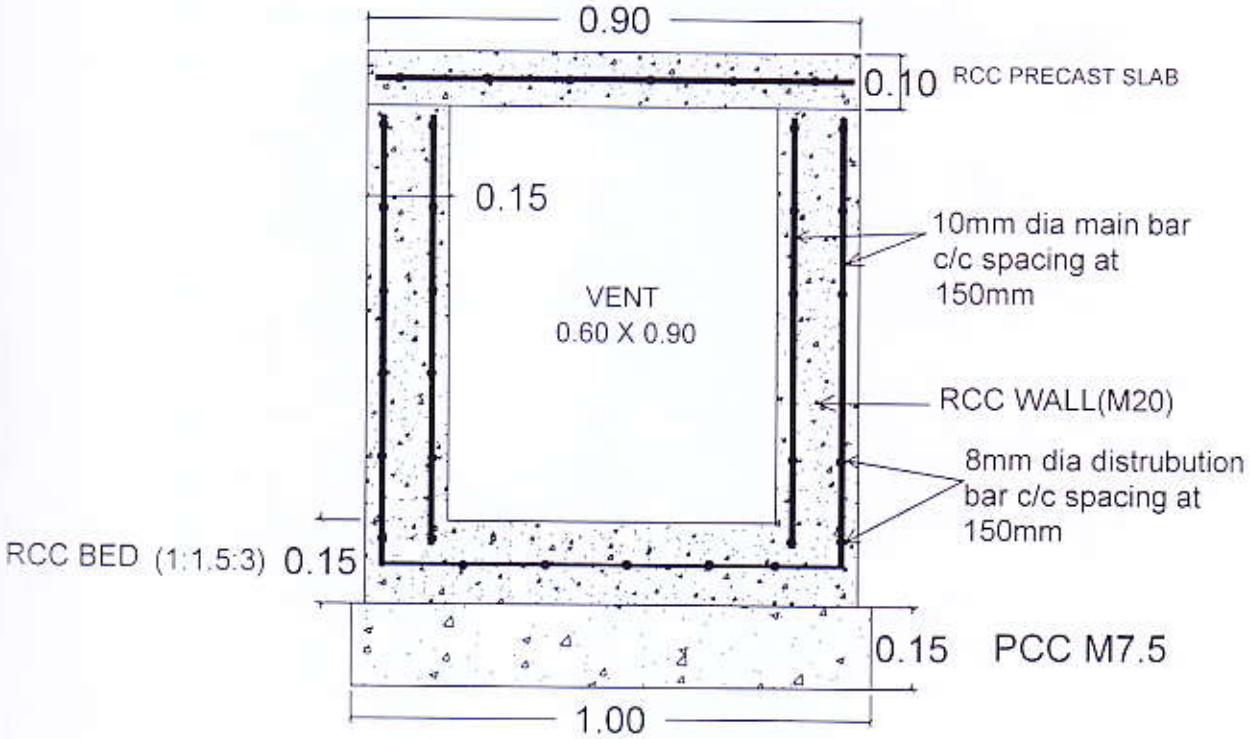
ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 lacs
Rupees Fifty Lacs Only
Under Job No-002-18-00009
Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P
Registered as EE ( )
Subject to conditions co
enclosed memo EE ( ) No
Dt Estimate No 60/17-18
dated 22-12-2017 Rs 50.00 lacs

Technical Sanction
Accorded For 50.00 lakhs
Head of A/C P.3332
CER NO : 441 Dt: 27/12/17

TA CE (YNK)

Commissioner
Yelahanka Zone)
BBMP, Bengaluru-92

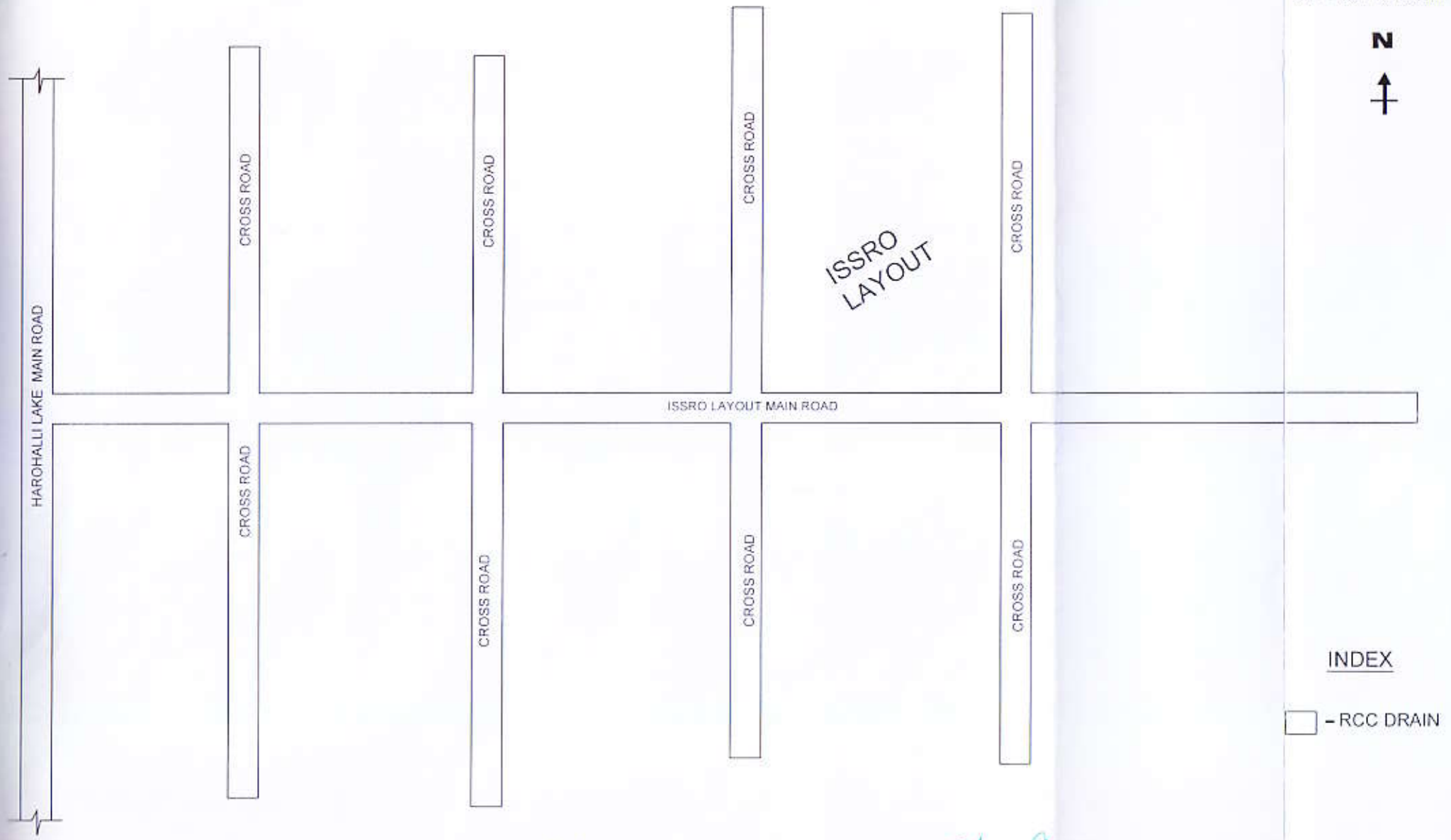
NAME OF WORK : IMPROVEMENTS ROADS AND DRAINS AT ISSRO LAYOUT IN WARD NO.02 OF YELAHANKA SUB-DIVISION



CROSS SECTION OF RCC DRAIN

NAME OF WORK : IMPROVEMENTS ROADS AND DRAINS AT ISSRO LAYOUT IN WARD NO.02 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P